



## Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 12-01-019 - 1
DATE AUGUST 2012	MODEL(S) SONATA (YF) SONATA (YF-HEV)

**SUBJECT** SONATA YF AND YF-HEV CURTAIN AIRBAG (CAB) REPLACEMENT  
(CAMPAIGN 106)

*This bulletin supersedes TSB 12-01-019 to add a step of how to identify which CAB to replace.*

### ★ IMPORTANT

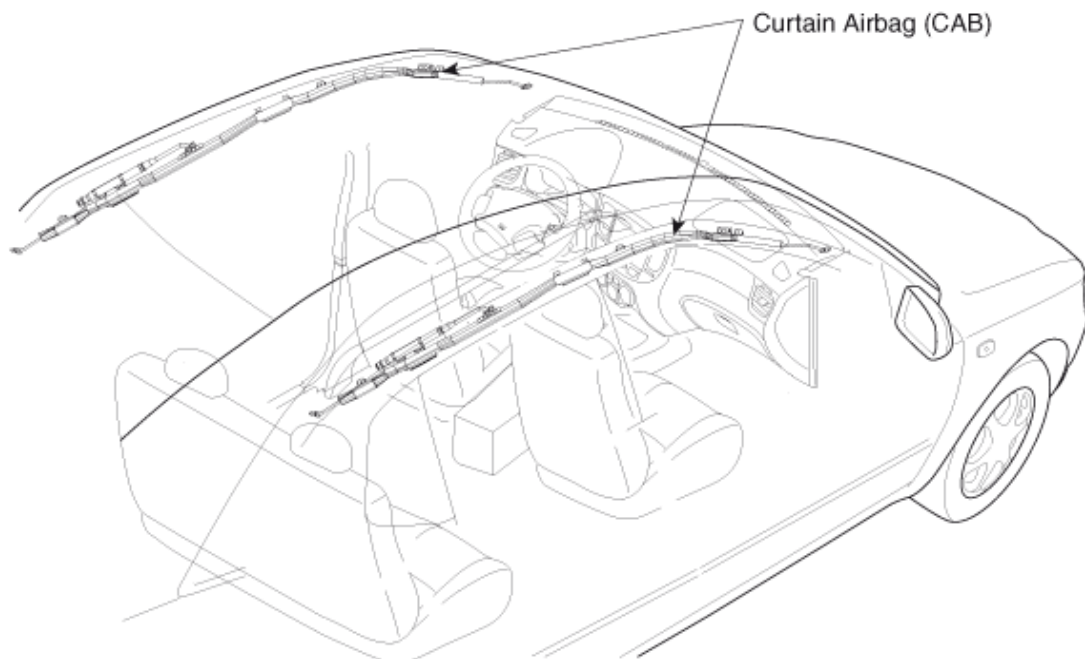
#### \*\*\* Dealer Stock and Retailed \*\*\*

Dealers must perform this Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

**Description:** This bulletin describes the three individual types of repair:

1. Replacement of driver's side curtain airbag.
2. Replacement of passenger's side curtain airbag.
3. Replacement of both driver's and passenger's side airbags.



### Applicable Vehicles:

- 2012 – 2013 Sonata YF produced from 1/24/2012 to 7/20/2012
- 2012 – 2013 Sonata YF-HEV produced from 2/1/2012 to 6/29/2012

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

**Parts Information:**

PART NAME	BEFORE	AFTER	QTY
CURTAIN A/BAG MODULE,LH(Driver)	85010-3Q000	85010-3Q000QQH	1
CURTAIN A/BAG MODULE,RH(Passenger)	85020-3Q000	85020-3Q000QQH	1
CLIP KIT (YF and YF-HEV)	N/A	85815-3S400	2
CLIP KIT (YF and YF-HEV)		85849-3L000	2

**Warranty Information:**

OP CODE	OPERATION	OP TIME
21CA03R0	Driver(LH) CAB Replacement	1.8Mhr
21CA03R1	Passenger(RH) CAB Replacement	1.8Mhr
21CA03R2	Driver (LH) and Passenger(RH) CAB Replacement	1.9Mhr
21CA03R3	Previous Driver(LH) replacement, Passenger(RH) needs to be replaced	3.6Mhr
21CA03R4	Previous Passenger(RH) replacement, Driver(LH) needs to be replaced	3.6Mhr

**IMPORTANT:** Applicable labor operation time includes labor and parts reimbursement for replacement of the headliner clip.

NOTE: Submit Claim on Campaign Claim Entry Screen

**The YF and YF-HEV Vehicle Tracking Data Sheet on the following page must be faxed or emailed to the following:**




**Fax #: 714-965-5097**

**OR**

**Email:**

**[HMAcampaign@hmausa.com](mailto:HMAcampaign@hmausa.com)**

- Ensure all fields are completed including the Curtain Airbag (CAB) Serial Number of the airbag that was replaced.
- All Data sheets are subject to warranty review.

YF and YF-HEV Vehicle Tracking Data Sheet Campaign 106		 <b>HYUNDAI</b> NEW THINKING. NEW POSSIBILITIES.	
Date:		VIN:	
Dealer Code:		Mileage:	
Technician:		Prod Date:	
<b>1. RECORD THE ORIGINAL CAB SERIAL NUMBERS FROM INSIDE THE VEHICLE:</b>			
LH (Driver side)	Serial Number:	_____	
RH (Passenger side)	Serial Number:	_____	
<b>2. RECORD THE CAB SERIAL NUMBERS TO BE REPLACED:</b> (Write N/A in the Serial Number box if the Airbag was not replaced)			
LH (Driver side)	Serial Number:	_____	
RH (Passenger side)	Serial Number:	_____	
			
			
Repair Comments (if applicable):		Service Manager (print name): _____	
		Signature: _____ Date: _____	

**YF and YF-HEV Vehicle  
Tracking Data Sheet Campaign  
106**

**HYUNDAI**

 NEW THINKING.  
NEW POSSIBILITIES.

Date:		VIN:	
Dealer Code:		Mileage:	
Technician:		Prod Date:	

**1. RECORD THE ORIGINAL CAB SERIAL NUMBERS FROM INSIDE THE VEHICLE:**

Driver side	Serial Number:	_____
Passenger side	Serial Number:	_____

**2. RECORD THE CAB SERIAL NUMBER(S) THAT WAS REPLACED:  
(Write N/A in the Serial Number box if the CAB was not replaced)**

Driver side	Serial Number:	_____
Passenger side	Serial Number:	_____


**\* NOTE**

The serial number is a 14 digit number. Please clearly write down all the numbers.

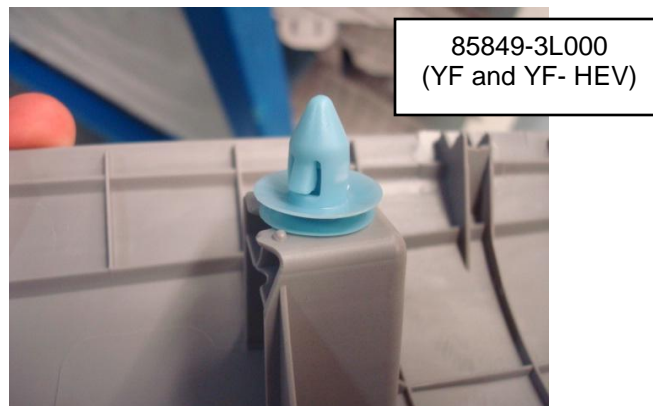
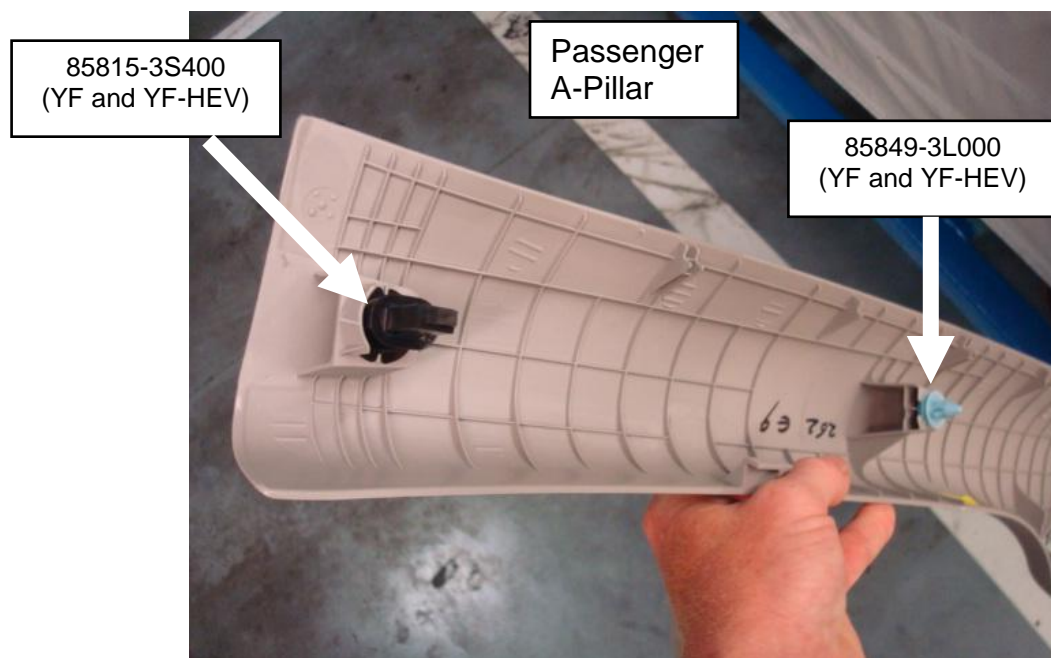
Repair Comments (if applicable):

Service Manager (print name): \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

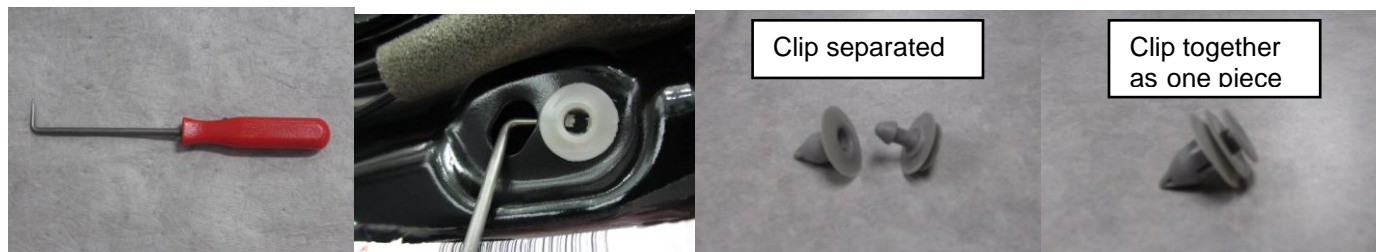
**\*\*\*THIS COMPLETED DATA SHEET IS REQUIRED TO BE SUBMITTED BY:  
FAX (714-965-5097) OR EMAIL (HMAcampaign@hmausa.com)\*\*\***

**IMPORTANT:** All repairs regardless of Passenger, Driver or both sides, **must** include two (2) each of 85815-3S400 (apply to both YF and YF-HEV) and four (4) each of 85849-3L000 (apply to both YF and YF-HEV) to replace the clips on the Driver and Passenger A-pillar trim. (See clip locations and images below.)



**\* NOTE**

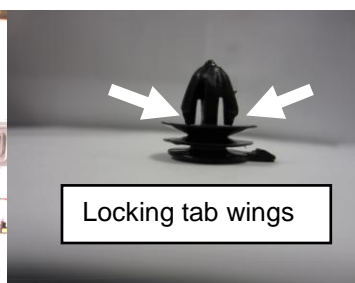
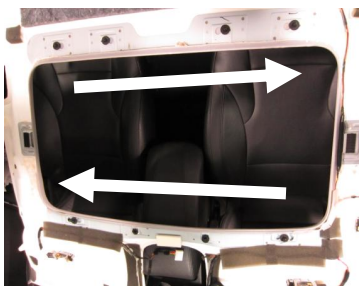
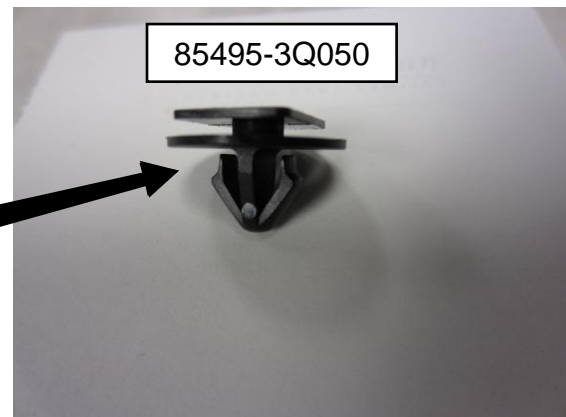
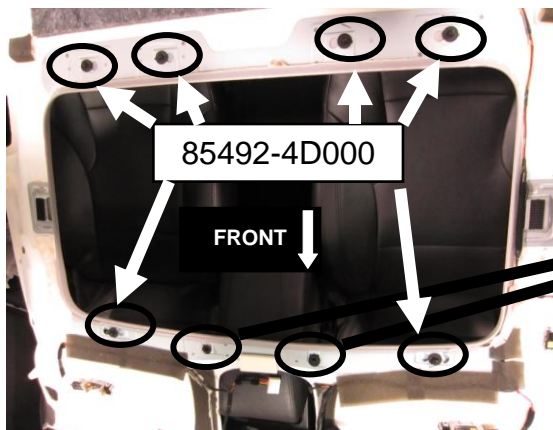
Occasionally when removing the A-Pillar trim, the small clip (85849-3L000) may separate from its body. Remove the clip body from the A-Pillar sheet metal using a small pick and then replace with a new clip.





**IMPORTANT:** Occasionally the headliner clips may break when trying to remove the headliner. Refer to the information below for the part numbers based on the sunroof type. The cost of any of these clips breaking is covered in the existing Op time.

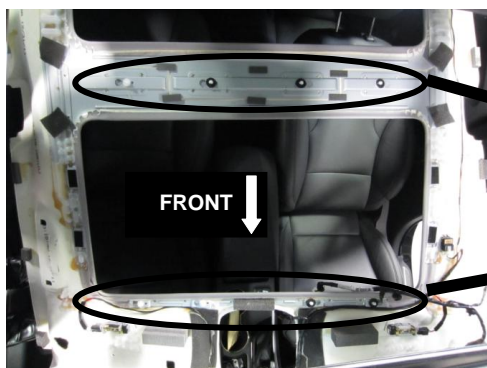
Vehicle equipped with **REGULAR SUNROOF:**



It is very important to ensure all the clips are aligned in the same direction. The two lock tab wings should be in parallel with the sunroof from left to right.

Make sure the clip is inserted in the direction where the arrow tab is locked into place as shown in the picture

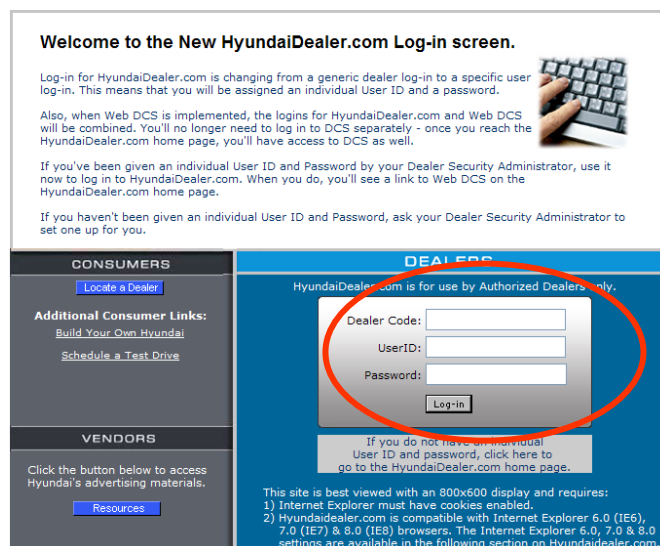
Vehicle equipped with **PANORAMIC SUNROOF:**



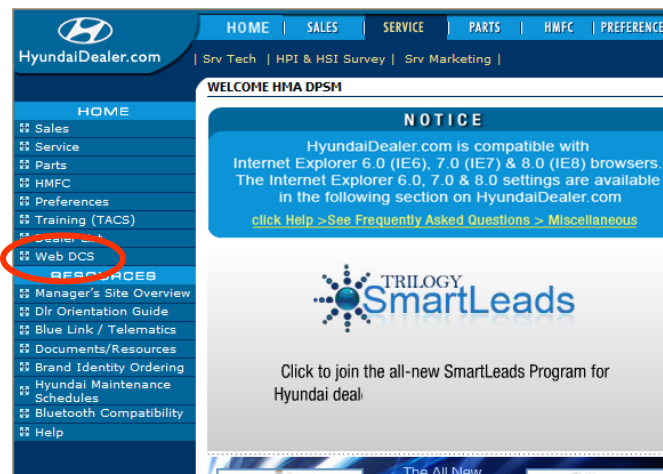
## Service Procedure:

### HOW TO IDENTIFY WHICH CAB REQUIRES REPLACEMENT

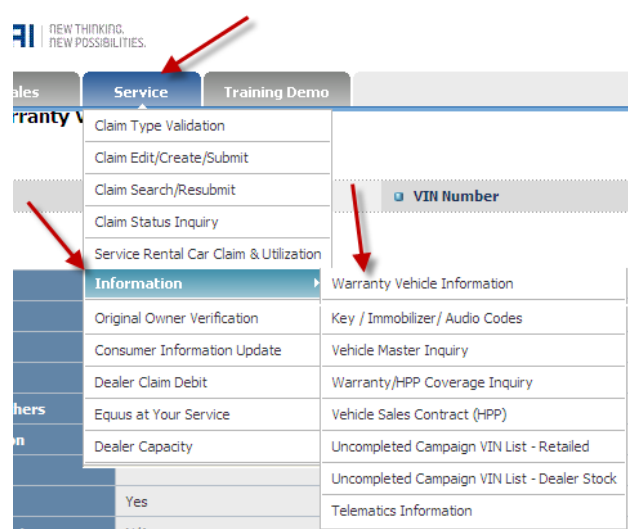
1. Log into [www.hyundaidealer.com](http://www.hyundaidealer.com).



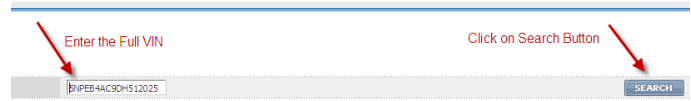
2. Select **“WEBDCS”**.



3. In WEBDCS, click on **“Service Tab”** then click on **“Information”** and then click **“Warranty Vehicle Information”**:



4. Enter the Full VIN and click on the **Search** Button:



Enter the Full VIN

Click on Search Button

DPFEB4AC9DH512025

SEARCH

5. Once the Search button is clicked, the Campaign information will appear.

One of the 5 Op Codes for the replacement of the Curtain Airbag will appear in the Campaign not performed section.

The screen print to the right reflects that the Driver Side Curtain Airbag should be replaced and the Op Code that should be used:

6. If the Passenger Side Curtain Airbag should be replaced the screen would show the Op Code for the Passenger Side:
7. If Both Curtain Airbags should be replaced then the screen would show the Op Code for Both Sides :

IQS / CSI / VDS / others	
Branded Information	
Extra Warranty	
Bluelink Equipped	Yes
Last Service Complete	N/A

Service Contract (0 found)

Campaign not performed

Campaign Code	Campaign Description
106	21CA03R0 - YF DRIVER CURTAIN AIRBAG REPL(12-01-019)

Bluelink Enrollment

Campaign not performed

Campaign Code	Campaign Description
106	21CA03R1 - YF PASSENGER CURTAIN AIRBAG REPL(12-01-019)

Campaign not performed

Campaign Code	Campaign Description
106	21CA03R2 - YF BOTH SIDE CURTAIN AIRBAG REPL(12-19)

## CAB REPLACEMENT PROCEDURE

- Verify the vehicle VIN has open Campaign 106.
- Verify which CAB needs to be replaced. See **HOW TO IDENTIFY WHICH CAB REQUIRES REPLACEMENT** on page 5.
- Verify all necessary parts are on-hand.
- Write down the customer's AM, FM, and XM radio preset stations.
- Wear a set of clean rubber gloves before starting procedure.

### ★ NOTE

Use extreme care when removing the trim components so stress marks, creases, or cracks are not created. Wear clean gloves when handling interior trim components (A, B, C-pillar trim, assist handles, sunvisors, overhead console, and room lamp) and headliner.



### WARNING

Disconnect the negative battery cable and wait 5 minutes prior to any Supplemental Restraint System (SRS) repairs.



2. Carefully remove the body-side weatherstripping and A, B, and C-pillar trim panels following procedures detailed in the 2012-2013 Sonata Service Manual (Body Group(BD) section)

Disconnect connector MR01 at the Driver A-pillar and then remove the Roof Harness clips from the A-pillar.



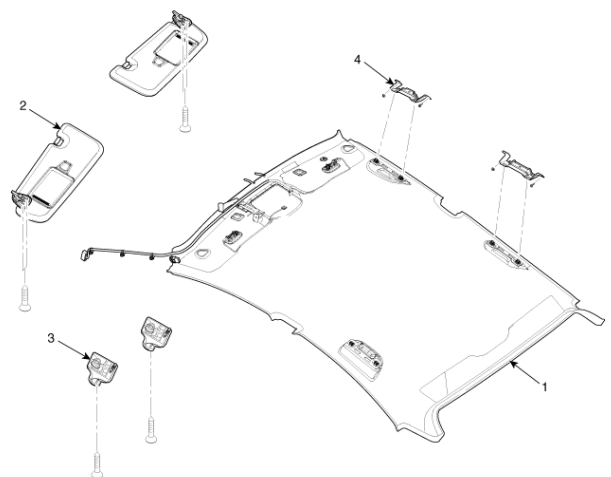
Disconnect the connector on Driver A-pillar head liner.



3. Follow the removal procedures detailed in the 2012 – 2013 Sonata Service Shop Manual (Body Group(BD) section) to remove the interior roof items.
- a. Driver and Passenger Sunvisors and retainers.
  - b. Overhead Console and Room Lamp.
  - c. Driver and Passenger front and rear Assist Handles, and Headliner Clips.
  - d. Blue Link Mirror Connector.

**\* NOTE**

If vehicle is equipped with Sunroof or Panoramic Sunroof - use caution when removing the headliner clips around the sunroof opening to prevent damage to the headliner. Wear clean gloves to prevent contamination to the headliner.

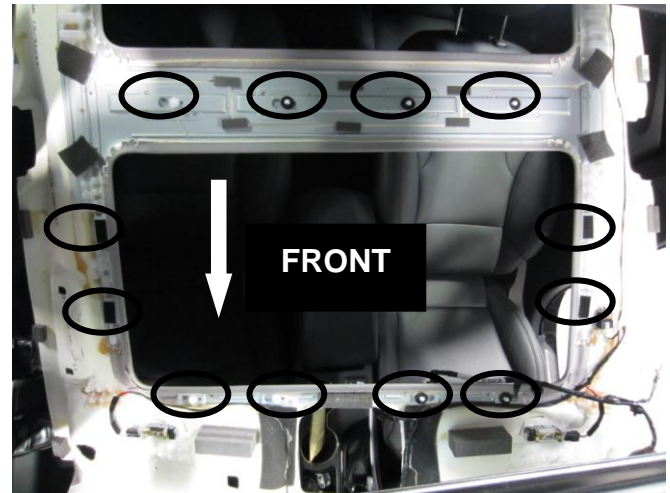




For the vehicle equipped with **PANORAMIC SUNROOF** - Note the mounting clips location along with the velcro.

**\* NOTE**

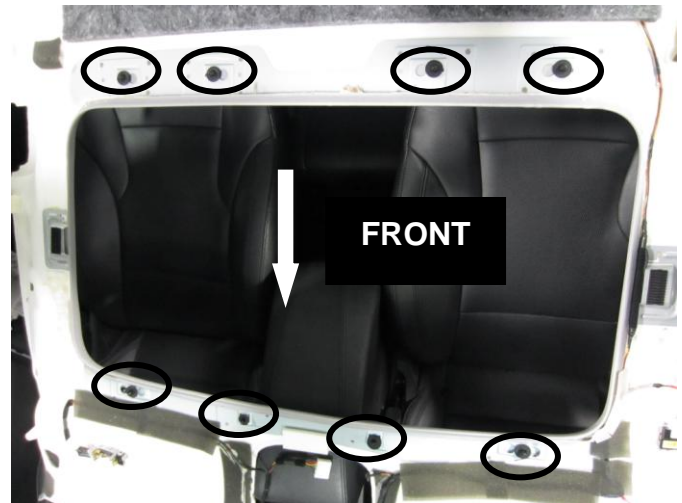
In the picture to the right, the front of the vehicle is on the bottom.



For the vehicle equipped with regular **SUNROOF** - Note the mounting clips location.

**\* NOTE**

In the picture to the right, the front of the vehicle is on the bottom.



4. Place a protective cover over the dash to avoid permanent markings/scuffings on the dash panel from the corner of the headliner edges.

Remove both the driver and passenger headrest and then lower the headliner.

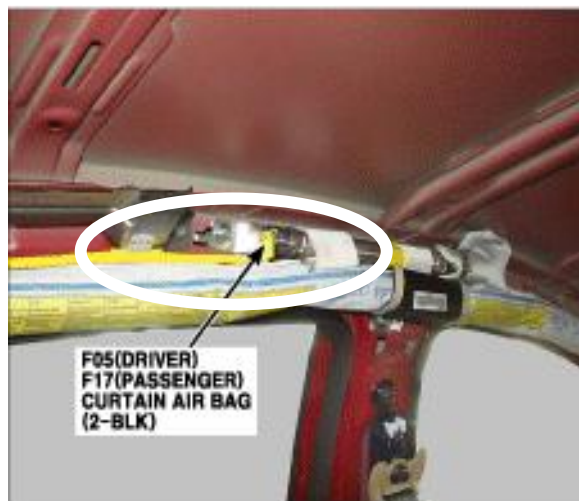


5. Record the Serial Number to the tracking sheet on page 3 of this TSB.

6. Carefully disconnect the Floor Harness connection to CAB inflator canister.
- For Driver CAB, connector F05
  - For Passenger CAB, connector F17

**★ NOTE**

Ensure the locking tab is released prior to separating the connector. Do not pull on the wires to disconnect the harness from CAB.



7. Remove all mounting bolts and nuts from the CAB assembly and remove the CAB from the vehicle.

**★ NOTE**

Use caution when removing the CAB from the vehicle to prevent damage to the vehicle.



**WARNING**

Handle un-deployed CAB modules with care. Improper handling or static discharge may result in airbag deployment.

8. Install the new CAB in the vehicle following the procedures in the 2012 – 2013 Sonata Service Shop Manual (Restraint (RT) section). Torque each nut and bolt to the proper specs.

9. Reconnect the CAB connector by seating the yellow portion of the connector followed by pushing on the seating locking tab.

**\* NOTE**

**Tightening torque:**

Bolts : 9.8 ~ 14.7 N.m (1.0 ~ 1.5 kgf.m, 7.2 ~ 10.8 lb-ft)

Nuts : 7.8 ~ 11.8 N.m (0.8 ~ 1.2 kgf.m, 5.8 ~ 8.7 lb-ft)



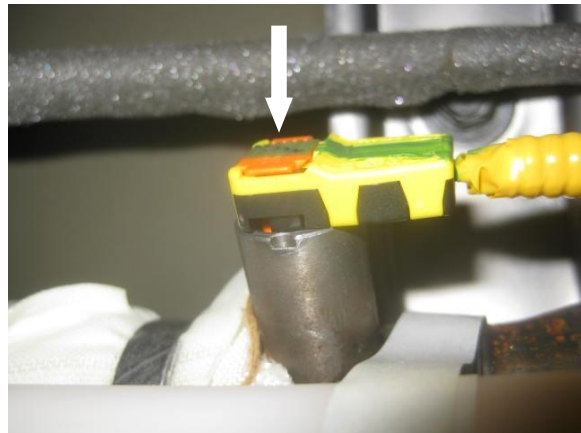
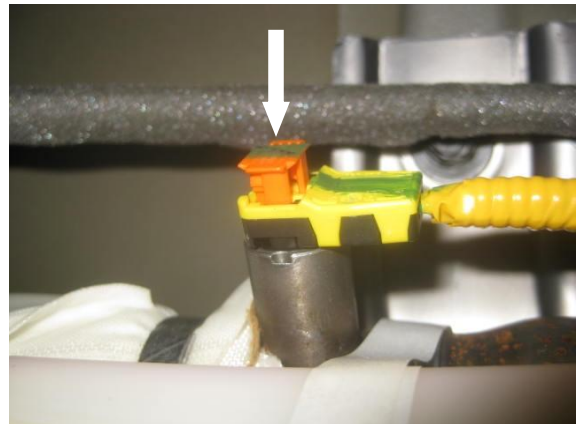
**WARNING**

**HANDLE WITH CAUTION!**

Never twist the curtain airbag module during installation. If the curtain airbag module is twisted, it may not operate as designed.

**\* NOTE**

If the secondary lock or connector is not properly engaged, DTC(s) may results.



10. Reinstall the remaining components in reverse order of removal per the 2012 – 2013 Sonata Shop Manual (Restraint (RT) and Body section).

**\* NOTE**

The tether clips **MUST** be replaced prior to re-installation of the A-pillar trim pieces.

11. Reconnect the negative battery cable after all the components have been re-installed to the vehicle.

12. Check for any incidental Diagnostic Codes (DTC) using the GDS tool. Clear all DTC(s) from the vehicle, and then proceed with clearing the DTC(s) from the Blue Link system. Refer to the Blue Link DTC clearing procedure in TSB 12-BE-005-2.
13. Program the customer's AM, FM, and XM radio preset stations.
14. Refer to the 2012 – 2013 Sonata Service Shop Manual (Restraint (RT) section) for Airbag Module Disposal procedures.